- 2. (Amended) An electro-mechanical drive device according to claim 1, wherein for the purpose of coupling, the means and a power semi-conductor housing are fixed with force-locking engagement against one another in order to reduce a heat transfer resistance.
- (Amended) An electro-mechanical drive device according to 3. claim 2, wherein for the force-locking engagement, the moans is spring-tensioned through a spring element against the power semiconductor housing.
- (Twice Amended) An electro-mechanical drive device according to claim 1, wherein a heat conducting means is mounted for thermal coupling between the means and a power semi-conductor housing.
- (Twice Amended) An electro-mechanical drive device according to claim 1, wherein the gear housing has an opening for inserting the means and quide elements for positioning the means in an end position, and the means is lockable in the end position.
- 6. (Twice Amended) An electro-mechanical drive device according to claim 1, wherein the means is injection moulded at least in part in an injection moulded plastics housing of the gearing.
- 7. (Twice Amended) An electro-mechanical drive device according to claim 1, wherein the gear housing has supporting parts, the means is hermetically sealed in the gear housing against fluids and dust particles, and the means is positioned against a wall of the gear housing wherein the wall is thinner than the supporting parts of the gear housing.
- 8. (Twice Amended) An electro-mechanical drive device according to claim 1, wherein the means acts as a heat conductor and is coupled

with a cooling element to discharge the waste heat diverted away from the at least one power semi-conductor to the cooling element, and the cooling element is a support plate on which the gear housing is fixed.

- 9. (Amended) An electro-mechanical drive device according to claim 8, further comprising a mechanical connection between the heat conductor and the gear housing, and a fastening element integrated in the heat conductor for fixing the gear housing on the cooling element.
- 10. (Twice Amended) An electro-mechanical drive device according to claim 1, wherein a bearing for a gear element of the gearing is integrated in the means.
- 11. (Amended) An electro-mechanical drive device according to claim 10, wherein the means has positioning elements for positioning the control device relative to at least one of the gear element and a magnet fixed on the gear element.
- 12. (Twice Amended) An electro-mechanical drive device according to claim 1, wherein the means is a cooling lid, an opening of the gear housing is closed by the cooling lid and the cooling lid has cooling ribs.
- 13. (Amended) An electro-mechanical drive device according to claim 12, wherein the opening is sealed by a material connection, comprising one of ultra sound welding of the cooling lid to an edge of the opening, and sticking of the cooling lid to an edge of the opening through an adhesive between the cooling lid and an edge of the opening.
- 14. (Twice Amended) An electro-mechanical drive device according to claim 1, wherein conductor panels which are insulated from each

other are arranged on the means to connect at least one structural element and at least one interface of the control device.

- 15. (Amended) An electro-mechanical drive device according to claim 14, wherein the conductor panels have contact elements which can be contacted during fitting of the means.
- 16. (Amended) A method for manufacturing an electro-mechanical drive device for adjustment devices of a motor vehicle, wherein the drive device includes in the assembled state:
 - a gearing in a gear housing;
 - an electric motor mechanically connected to the gearing;
- a control device with a power semi-conductor and mounted in the gear housing and controlling the electric motor; and
- a means integrated in the gear housing as a heat sink, the method comprising:
- thermally coupling the power semi-conductor to the means as a heat sink; and
- simultaneously at least one of mounting the means as a heat sink and fitting the control device.
- 17. (Amended) The method according to claim 16, wherein the means is a heat conducting means and is fixed as heat sink with the gear housing on a support plate, and the heat conducting means is pressed against the housing of the power semi-conductor of the control device through a fastening.
- 18. (Amended) The method according to claim 16, wherein the means is moved from a first mechanically stable state without thermal coupling to the power semi-conductor into a second mechanically stable state for coupling in order to thermally couple the means through

contact in the second mechanically stable state with the housing of the power semi-conductor.

- (Amended) The method according to claim 16, wherein the means is a cooling lid and is welded by ultrasound into an opening of the gear housing to contact with the housing of the power semiconductor.
- 20. (Amended) A hermetically scaled goar housing of an electromechanical drive device of an adjustment device for motor vehicles for diverting waste heat from a power semi-conductor which is integrated in a control device in the gear housing wherein at least a part of the gear housing is thormally coupled to the power semi-conductor to draw off the waste heat.

REMARKS

Claims 1-20 remain pending in this application. Claims 1-20 have been amended to place them in better form for U.S. practice. It is respectfully requested that the foregoing preliminary amendment be entered prior to examination.

Due to the number of amendments, a substitute specification pursuant to 37 CFR § 1.125 and MPEP § 608.01 (q) is submitted herewith to facilitate the prosecution of this application. The substitute specification is accompanied by a marked up copy showing the changes between the original application, as filed, and the substitute specification. The substitute specification does not contain any new matter and includes the same changes as are indicated in the marked Applicant respectfully requests that the substitute specification be entered in this case.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLD

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